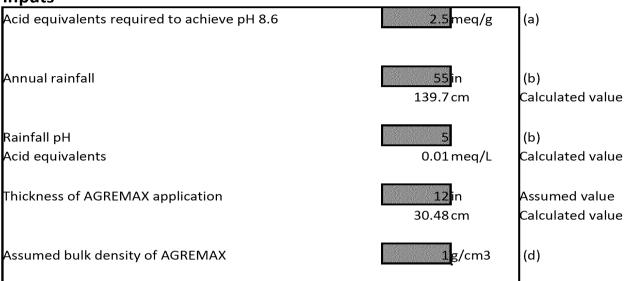
Years of Rainfall Required to Reduce Leachate pH of AGREMAX Material to a pH of 8.6

Inputs



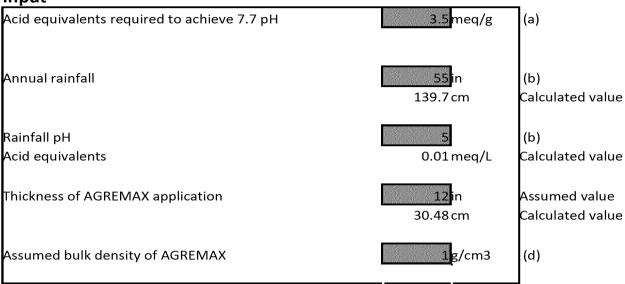
Results

Net infiltration of rainfall required to achieve	3000000 inches
desired pH	
Time required to achieve desired pH	54,545 years

- (a) Source: EPA LeachXSTM spreadsheet ("AES_PR_1313 locked 121312.xlsx") (Lab Extractions Tab)
- (b) Assumes 100% net infiltration. Source: National Weather Service, Average Yearly Rainfall Maps, Mean Annual Precipitation 1981-2010
- (c) Sources: E.Osborne, Engineering Research Center, University of Puerto Rico, Acid Rain in Puerto Rico, Final Technical Report to the US Dept of the Interior (1986); National Atmospheric Deposition Program data, available at http://nadp.sws.uiuc.edu
- (d) Source: R. Carrasquillo & O. Antommettei, Testing and Condition Assessment Results, Projects with Agremax Subbase (Jan. 2011)

Years of Rainfall Rquired to Reduce Leachate pH of AGREMAX Material to a pH of 7.7

Input



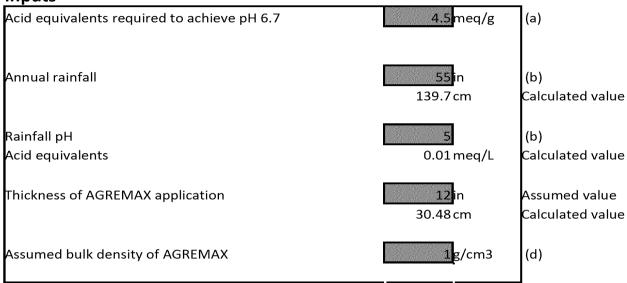
Results

Net infiltration of rainfall required to achieve	4200000 inches
desired pH	
Time required to achieve desired pH	76,364 years

- (a) Source: EPA LeachXSTM spreadsheet ("AES_PR_1313 locked 121312.xlsx") (Lab Extractions Tab)
- (b) Assumes 100% net infiltration. Source: National Weather Service, Average Yearly Rainfall Maps, Mean Annual Precipitation 1981-2010
- (c) Sources: E.Osborne, Engineering Research Center, University of Puerto Rico, Acid Rain in Puerto Rico, Final Technical Report to the US Dept of the Interior (1986); National Atmospheric Deposition Program data, available at http://nadp.sws.uiuc.edu
- (d) Source: R. Carrasquillo & O. Antommettei, Testing and Condition Assessment Results, Projects with Agremax Subbase (Jan. 2011)

Years of Rainfall Required to Reduce Leachate pH of AGREMAX Material to a pH of 6.7

Inputs



Results

Net infiltration of rainfall required to achieve	5400000 inches
desired pH	
Time required to achieve desired pH	98,182 years

- (a) Source: EPA LeachXSTM spreadsheet ("AES_PR_1313 locked 121312.xlsx") (Lab Extractions Tab)
- (b) Assumes 100% net infiltration. Source: National Weather Service, Average Yearly Rainfall Maps, Mean Annual Precipitation 1981-2010
- (c) Sources: E.Osborne, Engineering Research Center, University of Puerto Rico, Acid Rain in Puerto Rico, Final Technical Report to the US Dept of the Interior (1986); National Atmospheric Deposition Program data, available at http://nadp.sws.uiuc.edu
- (d) Source: R. Carrasquillo & O. Antommettei, Testing and Condition Assessment Results, Projects with Agremax Subbase (Jan. 2011)